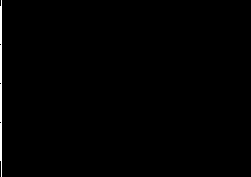


US EPA ARCHIVE DOCUMENT

|                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                     |                                |                     |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------|---------------------|
| <b>1. Incident Name</b>             | <b>2. Date Prepared</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>3. Time Prepared</b>                                                             | <b>UNIT LOG<br/>ICS 214</b>    |                     |
| Kalamazoo River/Enbridge Spill      | 05/12/2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 17:48                                                                               |                                |                     |
| <b>4. Unit Name/Designators</b>     | <b>5. Unit Leader</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                     | <b>6. Operational Period :</b> |                     |
| SOTF Team #7                        | <b>Name:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Dan Capone & Joe Victory (START/US EPA)                                             | <b>From:</b>                   | 05/12/2012<br>07:40 |
|                                     | <b>Position:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Operations Section Chief                                                            | <b>To:</b>                     | 05/11/2012<br>16:19 |
| <b>7. Personnel Roster Assigned</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                     |                                |                     |
| <b><u>Name</u></b>                  | <b>ICS Position</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>DUTY CELL</b>                                                                    |                                |                     |
| Dan Capone                          | Operations Section Chief                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                                |                     |
| Joe Victory                         | Operations Section Chief                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                     |                                |                     |
| Dan Zahner                          | Field Team Lead                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                     |                                |                     |
| Michael Thierry                     | SOTF#7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                     |                                |                     |
|                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                     |                                |                     |
|                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                     |                                |                     |
|                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                     |                                |                     |
| <b>8. Activity Log</b>              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                     |                                |                     |
| <b>Activity Area</b>                | <b>Morrow Delta</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>LAT</b>                                                                          | <b>LAT</b>                     |                     |
|                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>Various</b>                                                                      | <b>Various</b>                 |                     |
|                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | (DD.MMMM)                                                                           | (DD.MMMM)                      |                     |
| <b><u>OIL OBSERVED</u></b>          | <b>EXTENT OF OIL IMPACTED AREA</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | NA                                                                                  |                                |                     |
|                                     | <b>DENSITY OF OIL /SHEEN</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | NA                                                                                  |                                |                     |
| <b>Total Collection Points</b>      | NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                     |                                |                     |
| <b>Total Boom Deployed</b>          | NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                     |                                |                     |
| <b>Activity</b>                     | <p><b><u>START SOTF Team 7 Activity:</u></b></p> <p>START SOTF 7 and MDEQ (Paul Clarke) conducted oversight documentation of Enbridge Team G (Mike Bigsby and Guenter Miller). Team G conducted poling, Secchi disk measurements and water / sediment temperature reading at each poling point in Morrow Delta. Twenty-eight poling locations were collected in the delta. Oil Sheen and globules were stirred up by team g boats in the delta (old delta channel 2). Also oil sheen and globules observed upstream of the hard boom at E 4.0. Two oil sheen skimmer boats working above E 4.0 hard boom in the afternoon. Summary of poling results for the fixed poling locations: two locations with nothing, five locations with lights, seventeen locations with moderates and four heavies.</p> <p>Weather: Morning 50 degrees, rain and light winds.</p> |                                                                                     |                                |                     |

|                          | LOC. ID                                                          | Water Depth (ft) | Soft Push (ft) | Hard Push (ft) | Sediment / Above Sed / Surface (°F) | Sediment Type/ and Sheen Observation     |
|--------------------------|------------------------------------------------------------------|------------------|----------------|----------------|-------------------------------------|------------------------------------------|
|                          |                                                                  |                  |                |                |                                     |                                          |
|                          | D27                                                              | 1.5              | 2.0            | 2.1            | 62.50/62.90/62.92                   | Sand/(None, None, None)                  |
|                          | D32                                                              | .9               | 1.3            | 1.3            | 62.45/62.92/62.94                   | Sand/(Light, Few Light)                  |
|                          | D33                                                              | 1.6              | 1.9            | 1.9            | 62.08/62.72/62.76                   | Sand/(Light, Few Light)                  |
|                          | D25                                                              | .7               | 1.0            | 1.1            | 60.77/62.33/62.93                   | Silt over Sand/(Light, Common, Moderate) |
|                          | D26                                                              | 1.4              | 2.3            | 3.1            | 58.50/62.28/62.81                   | Soft/(Moderate, Many, Heavy)             |
|                          | D28                                                              | 2.2              | 2.6            | 2.7            | 61.36/62.41/62.94                   | Silt over Sand/(Light, Many, Moderate)   |
|                          | D29                                                              | 1.2              | 2.2            | 3.0            | 60.55/63.11/63.24                   | Soft/(Light, Common, Moderate)           |
|                          | D30                                                              | 2.3              | 3.5            | 4.2            | 60.38/62.84/62.93                   | Soft/(Light, Common, Moderate)           |
|                          | D34                                                              | .9               | 1.8            | 2.2            | 61.71/62.82/63.43                   | Silt over Sand/(Light, Common, Moderate) |
|                          | D39                                                              | 2.5              | 3.2            | 3.3            | 60.15/63.80/63.95                   | Silt over Sand/(Light, Common, Moderate) |
|                          | D38                                                              | 1.3              | 2.5            | 3.0            | 58.61/62.67/63.89                   | Soft/(Moderate, Many, Heavy)             |
|                          | D37                                                              | 2.1              | 3.3            | 3.5            | 58.95/62.05/63.85                   | Soft/(Light, Common, Moderate)           |
|                          | D36                                                              | 2.0              | 2.5            | 2.9            | 61.91/63.75/63.81                   | Sand/(None, None, None)                  |
|                          | D40                                                              | 1.5              | 2.7            | 3.5            | 61.80/63.56/63.64                   | Soft/(Light, Common, Moderate)           |
|                          | D42                                                              | 2.2              | 3.2            | 3.5            | 60.38/62.84/63.71                   | Soft/(Moderate, Many, Heavy)             |
|                          | D43                                                              | 2.0              | 3.2            | 3.7            | 61.14/63.27/63.87                   | Soft/(Light, Common, Moderate)           |
|                          | D44                                                              | 1.4              | 2.7            | 3.6            | 61.32/64.30/64.64                   | Soft/(Light, Common, Moderate)           |
|                          | D45                                                              | 2.7              | 3.7            | 3.8            | 58.69/61.71/64.58                   | Silt over Sand/(Light, Common, Moderate) |
|                          | D49                                                              | 2.1              | 3.3            | 3.6            | 61.75/62.66/64.94                   | Silt over Sand/(Light, Common, Moderate) |
|                          | D48                                                              | 1.2              | 2.7            | 3.2            | 60.19/62.96/64.34                   | Soft/(Light, Common, Moderate)           |
|                          | D47                                                              | 2.4              | 3.8            | 4.9            | 60.97/64.03/64.13                   | Soft/(Light, Many, Moderate)             |
|                          | D51                                                              | 2.2              | 3.4            | 4.2            | 61.71/63.75/65.06                   | Soft/(Light, Few, Light)                 |
|                          | D53                                                              | 2.0              | 3.3            | 3.3            | 59.79/62.97/64.40                   | Silt over Sand/(Moderate, Many, Heavy)   |
|                          | D55                                                              | 2.5              | 4.2            | 4.3            | 58.55/62.09/64.66                   | Soft/(Light, Common, Moderate)           |
|                          | D56                                                              | 2.0              | 4.0            | 4.9            | 59.00/62.59/63.50                   | Soft/(Light, Few, Light)                 |
|                          | D60                                                              | 1.9              | 3.4            | 3.7            | 59.36/63.09/63.60                   | Soft/(Light, Few, Light)                 |
|                          | D59                                                              | 2.9              | 4.4            | 4.7            | 57.72/62.89/64.83                   | Soft/(Light, Many, Moderate)             |
|                          | D54                                                              | 2.6              | 4.1            | 4.8            | 60.45/64.15/64.27                   | Soft/(Light, Common, Moderate)           |
|                          |                                                                  |                  |                |                |                                     |                                          |
| Health and Safety Issues | Safety stand down at E 4.0 from 08:34 to 10:40 due to lightning. |                  |                |                |                                     |                                          |
| Comments                 |                                                                  |                  |                |                |                                     |                                          |

